

Massachusetts Institute of Technology
C. S. Draper Laboratory
Cambridge, Massachusetts

LUMINARY Memo #197

To: Distribution
From: D. Densmore
Date: 15 January 1971
Subject: Luminary Revision 203

The following changes were implemented in Revision 203: PCR 1129 and additional implementation of PCR 324, PCR 348, and PCR 1117.2.

1) PCR 1129 (Update mass dependent calculations in 1/ACCS).

Four double precision and eight single precision constants were replaced to agree with Apollo 15 data in SODB for descent inertias and c. g. locations.

2) PCR 324 (PGNCS-to-AGS RR data transfer).

a) Restart protection of the setting of AGSCODE in READRDOT was removed. It didn't work as planned since the computations couldn't be restarted correctly at that point. However, it was superfluous: the existing restart logic adequately protects the setting of AGSCODE.

b) The erasable temporary AGSCDTMP which was used for this restart protection was deleted from erasable where it shared with RRTRUN.

3) PCR 348 (P77).

N81 DELTAV from P77 (DELVLVC) was saved in DELVOV so that it can be called up by N84.

4) PCR 1117.2 (Add extended verb check to POODOO logic).

The extended verb check was moved before the phase change for GOTOPOOH. No phases should be touched because if an extended verb is active a BAILOUT will be performed.

GSOP Impact

The following items should be examined for possible impact on the various GSOP sections:

section 2 item 4

section 3 item 1

section 4 item 3